Index of Claims

Rejected

| Application | /Control No. |
|-------------|--------------|
|-------------|--------------|

09/909,288

Examiner

(Through numeral)

Cancelled

Restricted

Claim

1751

Art Unit

Gregory R. Del Cotto

N

Date

Non-Elected

Interference

A Appeal
O Objected

FOLEY ET AL.

Applicant(s)/Patent under Reexamination

| Cla      | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16       | 5              |   |          |                                     | Date | 9        |          |   |               | *************************************** |
|----------|--|----------------|---|----------|-------------------------------------|------|----------|----------|---|---------------|---|
|          | 1 2 3 4 5 6 7 8 9 10 11                      | 5 8 6          |   |          |                                     |      |          |          |   |               | *************************************** |
|          | 8<br>9<br>10<br>11                           |                |   |          |                                     |      |          |          |   |               |   |
|          | 8<br>9<br>10<br>11                           |                |   |          |                                     |      |          |          |   |               |   |
|          | 8<br>9<br>10<br>11                           |                |   |          |                                     |      |          |          |   |               |   |
|          | 8<br>9<br>10<br>11                           |                |   |          |                                     |      |          |          |   |               |   |
|          | 8<br>9<br>10<br>11                           |                |   |          |                                     |      |          |          |   |               |   |
|          | 8<br>9<br>10<br>11                           |                |   |          |                                     |      | _        |          | - | $\overline{}$ |   |
|          | 8<br>9<br>10<br>11                           |                |   |          |                                     |      |          |          |   | 1             | 1                                       |
|          | 11   |                |   |          |                                     |      |          |          |   |               | l                                       |
|          | 11   |                |   |          | L                                   |      |          |          |   | _             | ŀ                                       |
|          | 11<br>12<br>13                               | $\vdash$       |   |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш    | L        | oxdot    | _ | _             | l                                       |
|          | 12<br>13                                     | . '            |   |          | <u> </u>                            |      | L        | $\vdash$ | - |               | ŀ                                       |
| <u> </u> | 14   | Н              |   |          | <u> </u>                            |      |          | $\vdash$ | _ |               | 1                                       |
| 1 T      | 14   | Н              |   |          |                                     |      | $\vdash$ | H        | _ |               |   |
|          | 15   | Н              |   | -        | -                                   |      |          | $\vdash$ |   |               |   |
|          | 16   | Н              |   | -        | -                                   |      |          | -        | _ | _             | :                                       |
|          | 17   | Н              |   | _        | $\vdash$                            |      | Н        | H        | _ |               | :                                       |
|          | 18   | Н              | _ | _        | _                                   | -    | $\vdash$ | _        |   | _             | ľ                                       |
| $\vdash$ | 19   | Н              |   |          | -                                   |      | -        | -        |   |               | ŀ                                       |
|          |  | H              |   |          | $\vdash$                            |      | _        |          |   |               | ŀ                                       |
| $\vdash$ | 21   | Н              |   |          | Н                                   |      |          |          |   |               | Ė                                       |
|          | 20<br>21<br>22                               | П              |   |          |                                     |      |          |          |   |               | ŀ                                       |
|          | 23   |                |   |          |                                     |      |          |          |   |               | ŀ                                       |
|          | 24   |                |   |          |                                     |      |          |          |   |               |   |
|          | 23<br>24<br>25                               |                |   |          |                                     |      |          |          |   |               |   |
|          | 26<br>27                                     |                |   |          |                                     |      |          |          |   |               | ŀ                                       |
|          | 27   |                |   |          |                                     |      |          |          |   | _             | ŀ                                       |
|          | 28   |                |   |          |                                     |      |          |          |   |               | ŀ                                       |
|          | 29   |                |   |          |                                     |      |          |          |   |               | ŀ                                       |
|          | 30   | Ŋ              |   |          |                                     |      |          |          |   |               | ŀ                                       |
|          | 31   | 7              |   |          |                                     |      | _        |          |   |               |   |
|          | 32   | 7              |   | _        |                                     |      |          | _        |   |               | ŀ                                       |
|          | 33<br>34                                     | 7              |   |          |                                     |      |          |          |   |               | ŀ                                       |
|          | 35   | 22222          | _ | _        | -                                   |      | _        |          | _ |               |   |
|          | 36   |                | _ |          | $\vdash$                            |      | -        |          | _ |               | :                                       |
|          | 37   | $\vdash$       | _ | $\vdash$ | $\vdash$                            | _    | $\vdash$ | $\dashv$ |   | -             | 1                                       |
|          | 38   | 1              |   | Н        |                                     |      | Н        |          |   |               |   |
| - 1      | 39   | <b>√</b>       |   | $\vdash$ |                                     | _    | $\Box$   | $\neg$   | _ |               |   |
|          | 40   | 7              |   | П        |                                     |      |          |          |   |               | Ė                                       |
|          | 41   |                |   |          |                                     |      |          |          |   |               |   |
|          | 42   |                |   |          |                                     |      |          |          |   |               | -                                       |
|          | 43   | V,             |   |          |                                     |      |          |          |   |               | ľ                                       |
|          | 44   |                |   |          |                                     |      |          |          |   |               |   |
|          | 45   | $ \mathbf{V} $ |   |          |                                     |      |          |          |   |               | ŀ                                       |
|          | 46   | 4              |   | Ш        |                                     | Щ    | Щ        |          |   |               | ŀ                                       |
|          | 47   | <b>       </b> |   | Ш        |                                     |      |          |          |   |               | ŀ                                       |
|          | 42<br>43<br>44<br>45<br>46<br>47<br>48<br>49 | <b>Y</b>       | _ | Ш        |                                     |      |          |          |   |               | ľ                                       |
|          | 49<br>50                                     | <b>¥</b> /     | _ | Ш        |                                     | Щ    |          | Ш        |   | Щ             | *************************************** |

|    |       | J 010                  | 20111  | ı                   |           |          |           |          | _             |          |              |                                     | J٠ |
|----|-------|------------------------|--|---------------------|-----------|----------|-----------|----------|---------------|----------|--------------|-------------------------------------|----|
|    |       |                        |  | _                   |           |          |           |          |               |          |              | Γ                                   | Ŀ  |
|    |       |                        | ल  | <b>S</b>            |           |          |           |          |               |          |              | l                                   | Ŀ  |
| 1  |       | ਕ                      | č  | 22                  |           |          | l         | i        |               |          |              | ļ                                   | Ŀ  |
| 1  | ::::: | Final                  | Original   | ~                   |           |          |           |          |               |          |              | 1                                   | Ŀ  |
| 1  | ::::: | 证                      | Έ  | _                   |           |          |           |          | ļ .           |          |              | ł                                   | Ŀ  |
| ı  | ::::: | i                      | 0  | 20                  |           | 1        |           |          | Į.            | i        |              | ļ                                   | 1  |
| _  |       |                        |  | _                   |           | $\perp$  |           | ш        |               | ╙        | ╙            | <u> </u>                            | ŀ  |
|    | ::::: |                        | 51   | W                   |           |          |           |          |               |          |              |                                     | 1  |
| _  |       |                        | ==   | <del>''</del>       |           | -        | $\vdash$  | $\vdash$ |               | $\vdash$ | ⊢            | ⊢                                   | ł  |
|    |       |                        | 52   | ١٧,                 | 1         |          |           | 1        |               |          |              |                                     | ŀ  |
|    |       |                        | 52   | ./                  |           |          |           |          |               |          |              |                                     | l  |
| _  |       |                        | 55   | ΙΥ.,                |           | $\vdash$ | $\vdash$  | _        | _             | <u> </u> | <u> </u>     |                                     | ł  |
|    |       |                        | 54   |                     |           |          |           |          |               |          | į.           |                                     | Ŀ  |
| -  |       |                        |  | T/                  | $\vdash$  | -        | $\vdash$  | -        | _             |          |              |                                     | Ŀ  |
|    |       |                        | ວວ   | LV                  |           |          |           |          |               |          |              |                                     | ŀ  |
| П  |       |                        | 56   | V.                  |           |          |           |          |               |          |              |                                     | ŀ  |
| -  |       |                        | -==  | <del>''</del>       | -         | -        | -         | -        | _             | -        | $\vdash$     | _                                   | ł  |
|    |       |                        | 5/   | Į ν, Ι              |           |          | 1         |          |               |          |              | l                                   | ŀ  |
|    |       |                        | 58   | M                   |           |          |           |          |               |          |              |                                     | 1: |
| -  |       | _                      | 30   | <b>Y</b>            | -         | _        | ⊢         | $\vdash$ | $\vdash$      | $\vdash$ | <u> </u>     |                                     | ł  |
|    |       |                        | 59   | V                   |           |          |           |          |               |          |              |                                     | ŀ  |
|    |       |                        | 60   | $\nabla$            |           |          |           |          |               |          |              |                                     | ŀ  |
| _  |       |                        | 00   | V/                  | _         | $\vdash$ |           | ш        |               |          | -            | _                                   | ŀ  |
|    |       |                        | 61   | ٧,                  |           |          |           |          |               |          |              | ŀ                                   | Ŀ  |
| ٦  |       |                        | 62   | <b>.</b> /          |           | $\vdash$ |           | П        | $\vdash$      | _        |              |                                     | ŀ  |
| J  |       |                        | 02   | V,                  | L         | Ŀ        |           | Ь        | oxdot         | ш        | <u> </u>     | <u> </u>                            | ŀ  |
|    |       | l T                    | 63   | <b>[</b> ]          |           |          |           |          |               |          |              | 1                                   | E  |
| Н  |       | <b></b> -              |  | <del>  '/</del>     | $\vdash$  | $\vdash$ | $\vdash$  | $\vdash$ | $\vdash$      | Η—       | $\vdash$     | <del></del>                         | ŀ  |
| J  |       |                        | 64   | $oldsymbol{ u}_{i}$ | L.        | L_       | L         | L        |               |          | L            | <u></u>                             | ŀ  |
| ٦  |       |                        | 65   | りゅ ピンノノノンノンノン       |           |          |           |          |               |          |              |                                     | ŀ  |
| 4  |       | $\vdash$               | 22   | <del>     </del>    | Ь—        | $\vdash$ |           | $\vdash$ | $\vdash$      | $\vdash$ | <del> </del> | $\vdash$                            | ŀ  |
| J  |       | l                      | 51<br>52<br>53<br>54<br>55<br>56<br>57<br>58<br>59<br>60<br>61<br>62<br>63<br>64<br>65<br>66       | <b>  V</b>          | L         | L        | L         | L        | L             |          | L            | L                                   |    |
| ٦  |       |                        | 67   | $\Box$              |           | Г        |           | Г        |               |          |              |                                     | ŀ  |
| 4  |       | <u> </u>               | <u> </u>   | <b>—</b>            | Ь         | ⊢        | Ь—        | $\vdash$ | $\vdash$      | $\vdash$ | ⊢            | ⊢                                   | ŀ  |
|    |       |                        | 68   |                     |           |          |           |          |               |          |              |                                     | Ŀ  |
| ┪  |       |                        | 60   |                     |           |          |           |          |               |          |              |                                     | ı  |
| _  | 11111 |                        | 09   | lacksquare          |           | <u> </u> |           |          |               |          |              |                                     | ŀ  |
| -  | ::::: |                        | 70   |                     |           | 1        |           |          |               |          |              |                                     | Ŀ  |
| Н  | ::::: |                        | 74   | $\vdash$            | $\vdash$  | $\vdash$ | $\vdash$  | $\vdash$ | $\vdash$      | $\vdash$ |              | <del></del>                         | Ŀ  |
|    |       |                        | 71   |                     |           |          |           |          |               |          |              |                                     | ŀ  |
| 1  | ::::: |                        | 72   |                     |           |          |           |          |               | i I      |              |                                     | ŀ  |
| -  | ::::: | -                      |  | -                   | _         | $\vdash$ | <u> </u>  | $\vdash$ |               | $\vdash$ | -            | $\vdash$                            | ŀ  |
| ı  |       |                        | 73   |                     |           |          |           |          |               |          |              |                                     | l. |
| 7  | ::::: |                        | 74   |                     |           |          |           |          |               |          |              |                                     | Ŀ  |
| 4  | ::::: | <u> </u>               |  |                     | _         |          | _         |          | _             | -        | _            |                                     | ŀ  |
| 1  |       |                        | 75   |                     |           | ١٠       |           |          |               |          |              |                                     | ŀ  |
| 7  |       |                        | 76   |                     |           |          |           |          |               |          |              |                                     | ŀ  |
| 4  | ::::: |                        | 70   | ╙                   | _         | -        | _         |          |               |          | _            |                                     | ŀ  |
| 1  | ::::: | ١. ا                   | 77   |                     |           | 1        |           |          |               |          |              |                                     | ŀ  |
| ٦  |       |                        | 70   |                     | $\neg$    | -        |           |          | $\overline{}$ |          |              | $\overline{}$                       | Ŀ  |
| 4  | ::::: |                        | 70   | ш                   |           |          |           |          |               |          |              | -                                   | Ŀ  |
| ŀ  | ::::: |                        | 79   |                     |           |          |           |          |               |          |              |                                     | ŀ  |
| ᅥ  |       |                        |  | _                   |           | -        |           | $\vdash$ |               |          | _            | $\vdash$                            | ŀ  |
| ╝  |       |                        | 80   |                     |           |          |           |          |               |          |              |                                     | ŀ  |
| 1  |       |                        | 81   |                     |           |          |           |          |               |          |              |                                     | Ė  |
| 4  | ::::: |                        | 0.   | $\vdash$            | $\vdash$  | $\vdash$ | $\vdash$  | Н        | $\vdash$      | $\vdash$ | -            | $\vdash$                            | ŀ  |
| J  |       | L                      | 82   | L                   | ╚         | اــا     | اـــا     | اـــا    |               |          |              | L                                   | Ė  |
| ٦  |       |                        | 83   | П                   |           |          |           |          |               |          |              |                                     | ŀ  |
| 4  |       | $\vdash \vdash$        |  | Н                   | Н         | Н        | $\vdash$  | Н        |               | $\vdash$ | -            | $\vdash$                            | ŀ  |
| 1  |       |                        | 84   |                     |           |          |           |          |               |          | l            |                                     | Ė  |
| ٦  |       |                        | 68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>80<br>81<br>82<br>83<br>84<br>85 |                     |           |          |           |          |               |          |              | Г                                   | ŀ  |
| 4  | ::::: | <b> </b>               | - 55   | $\vdash$            | $\vdash$  | Ь.       | <b></b> - | $\vdash$ | $\vdash$      | $\vdash$ | <u> </u>     |                                     | ŀ  |
| J  |       |                        | 86   |                     |           |          |           |          |               |          |              |                                     | E  |
| ٦  |       |                        | 97   |                     |           |          | _         | $\vdash$ | $\neg \neg$   |          |              | $\vdash$                            | Ŀ  |
| 4  | ::::: | ļ                      | 01   | ш                   | $\square$ | ļ        |           | ш        | $\vdash$      | $\Box$   | <u> </u>     | $\vdash$                            | E  |
| 1  |       |                        | 88   |                     |           |          |           |          |               |          |              |                                     | E  |
| ٦  |       | <u> </u>               | 86<br>87<br>88<br>89   |                     | $\vdash$  | Н        | _         |          |               |          |              | <del> </del>                        | E  |
| ╝  |       |                        | 69   | L                   |           | $\sqcup$ |           | ш        |               | L        |              | L                                   | ŀ  |
| 1  |       |                        | 90<br>91   |                     |           | l I      |           |          |               |          |              |                                     | E  |
| ┨  |       | $\vdash \vdash$        | 04   | Н                   | $\vdash$  | Н        | $\vdash$  | $\vdash$ | $\vdash$      |          | _            | Н                                   |    |
| ⅃  | ::::  |                        | 91   |                     |           | ш        |           | ш        |               |          |              |                                     | ŀ  |
| 7  | ::::: |                        | 92   |                     |           |          |           |          |               |          |              |                                     | ŀ  |
| 4  |       | <del>  </del>          | <u> </u>   | ┝                   | $\vdash$  | ┝┯┥      |           | ⊢⊢       | $\vdash$      | $\vdash$ | -            | <b>—</b>                            | Ė  |
| _J |       | L                      | 92<br>93   | L_I                 |           | L_I      |           | ╚        |               |          | L            | L                                   | Ė  |
| ٦  | ::::: |                        | 94<br>95<br>96   |                     |           |          |           |          |               |          |              | П                                   | ŀ  |
| 4  |       | $\vdash \vdash \vdash$ |  | $\vdash$            | $\vdash$  | $\vdash$ | $\vdash$  | $\vdash$ | $\vdash$      | $\vdash$ | $\vdash$     | $\vdash$                            | Ė  |
| _  |       |                        | 95   |                     |           |          |           |          |               |          |              |                                     | ľ  |
| ٦  |       | $\Box$                 | 96   |                     |           |          |           | П        |               |          |              |                                     | ŀ  |
| 4  |       | $\vdash \vdash$        | 30   | $\vdash$            | $\vdash$  | ш        | $\vdash$  | $\vdash$ | $\vdash$      | $\vdash$ | Ь.           | -                                   | ŀ  |
| 1  |       | (                      | 97   |                     |           |          |           |          |               |          |              |                                     | Ė  |
| ٦  | ::::: |                        | 98   | т                   | $\neg$    |          |           | $\Box$   |               | $\Box$   |              |                                     | ŀ  |
| ļ  |       | $\vdash \vdash$        | 90   | $\sqcup$            | $\sqcup$  | $\sqcup$ |           | ш        | $\Box$        |          | ļ            | <b>-</b>                            | ŀ  |
| ١  |       |                        | 99   |                     |           |          |           |          |               |          |              |                                     | ŀ  |
| ┥  |       | <del></del>            |  | Н                   | $\vdash$  | Н        | $\vdash$  | Н        | -             | $\vdash$ |              |                                     |    |
| J  | ::::: | لــــــا               | 100  | L                   |           | Щ        |           |          |               |          | Ц_           | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | ŀ  |
| _  |       |                        |  |                     |           |          |           |          |               |          |              |                                     |    |

|          | Cli      | aim   |          |          |  | _        | Date     | <u>.</u>     |              |            |          |
|----------|----------|---|----------|----------|--|----------|----------|--------------|--------------|------------|----------|
| $\vdash$ |          |   | ⊢        | _        |  | <u> </u> | <u> </u> | <del>-</del> | _            | 1          | т-       |
|          | Final    | Original  |          |          |  |          |          |              |              |            |          |
|          |          | 101<br>102<br>103<br>104  |          |          |  |          |          |              |              |            |          |
| L        | _        | 102   |          | _        |  | _        | L        |              |              |            | ļ        |
| $\vdash$ |          | 104   |          | $\vdash$ | ├  | _        | $\vdash$ | -            | ⊢            | $\vdash$   | -        |
| $\vdash$ | $\neg$   | 105   |          | $\vdash$ | <del>                                     </del> |          | $\vdash$ | -            | $\vdash$     | H          | -        |
| Г        |          | 106   |          |          |  |          |          |              |              |            |          |
|          |          | 107   |          |          |  |          |          |              |              |            |          |
| L        |          | 108<br>109  |          | L        | _  |          | Щ        | ·            | <u> </u>     | _          | <u> </u> |
| <u> </u> |          | 109   |          | _        | <u> </u>   |          | _        |              | ┡            | <u> </u>   | _        |
| ⊩        |          | 110   |          | H        |  |          | -        |              | <b> </b>     | ļ <u> </u> |          |
| $\vdash$ | $\dashv$ | 112   |          | _        | $\vdash$   | _        |          | -            | H            |            | -        |
|          |          | 110<br>111<br>112<br>113  |          |          |  | Т        |          | Г            | $\vdash$     | $\vdash$   | П        |
|          |          | 114   |          |          |  |          |          |              |              |            |          |
| L        |          | 114<br>115<br>116   |          |          |  |          |          | L_           |              | Ĺ          |          |
| L        | _        | 116   |          |          | _  |          |          | L.           | _            | <u> </u>   | Ш        |
| -        |          | 117   |          |          | ├—   |          |          |              |              | <u> </u>   |          |
| -        | _        | 118<br>119  |          |          |  | _        | _        | -            |              | $\vdash$   |          |
| -        |          | 120   |          | _        | -  |          |          |              |              |            |          |
|          |          | 121   |          |          | <u> </u>   |          |          | <u> </u>     |              |            |          |
|          |          | 122   |          |          |  |          |          |              |              |            |          |
| L        | _        | 123   |          |          | _  |          |          | <u> </u>     |              |            |          |
| $\vdash$ | -        | 124   |          |          | ┝  | _        |          | L            | H            | <u> </u>   | $\vdash$ |
| $\vdash$ |          | 126   |          |          | ┢  |          |          | $\vdash$     |              | ┢╌         |          |
| $\vdash$ |          | 127   |          |          | H  |          |          | ┢            | H            |            | $\vdash$ |
|          |          | 121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133 |          |          |  |          |          |              |              |            |          |
| L        |          | 129   |          |          |  |          |          |              |              |            |          |
| L        |          | 130   |          |          |  |          |          | <u> </u>     | _            | _          |          |
| $\vdash$ | $\dashv$ | 131   |          | _        |  |          |          | <u> </u>     | H            | _          |          |
| -        | -        | 133   |          | _        | $\vdash$   | _        |          | -            | <del> </del> |            | Н        |
| $\vdash$ |          | 134   |          |          |  |          |          |              |              | -          |          |
|          |          | 135   |          |          |  |          |          |              |              |            |          |
| L        | _        | 136<br>137  |          |          |  |          |          | _            | <u> </u>     |            | Щ        |
| L        | _        | 137   |          |          | _  |          |          | ļ            | ļ            |            |          |
| $\vdash$ | $\dashv$ | 138<br>139  | $\dashv$ | _        | H  | $\vdash$ | $\vdash$ | <u> </u>     | $\vdash$     | <u> </u>   | Н        |
| $\vdash$ | $\dashv$ | 140   | -        | -        | H  |          | -        | -            | $\vdash$     |            | H        |
|          |          | 141   |          |          |  |          |          |              |              |            |          |
|          | $\Box$   | 142<br>143  |          |          |  |          |          |              |              |            |          |
| $\vdash$ | 4        | 143   |          | _        | L  |          |          | _            | L            | _          | Щ        |
| $\vdash$ | $\dashv$ | 144<br>145  | -        | -        | $\vdash$   | Н        | Н        | H            | -            | $\vdash$   | Н        |
| $\vdash$ | $\dashv$ | 146   |          | _        | H  | $\vdash$ | Н        | H            | H            | $\vdash$   | Н        |
| H        | $\dashv$ | 147   |          |          | H  |          | Н        | Н            | -            | $\vdash$   | Н        |
|          |          | 147<br>148  |          |          |  |          |          |              |              |            |          |
|          |          | 149   |          |          |  |          |          |              |              |            |          |
| . 1      |          | 150   | i        |          | 1  |          |          |              | L            | H          | 1        |